Docket No. 10014281-1

Data Storage System With Error Correction Code and
Replaceable Defective Memory

Steven L. Pline et al.

1/7

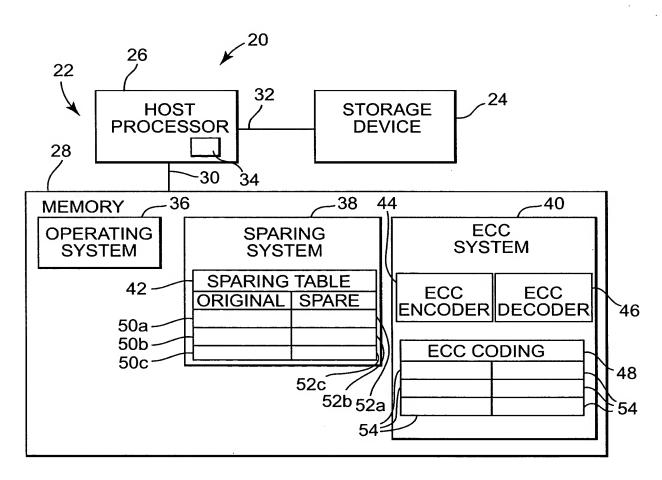
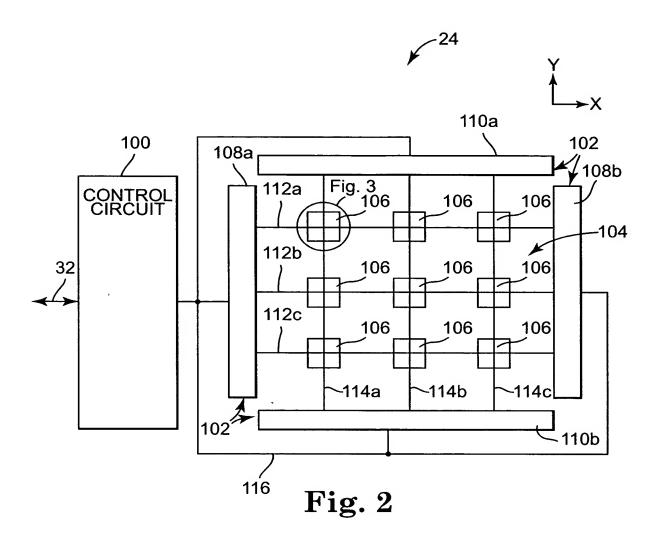


Fig. 1

Docket No. 10014281-1 Data Storage System With Error Correction Code and Replaceable Defective Memory Steven L. Pline et al. 2/7



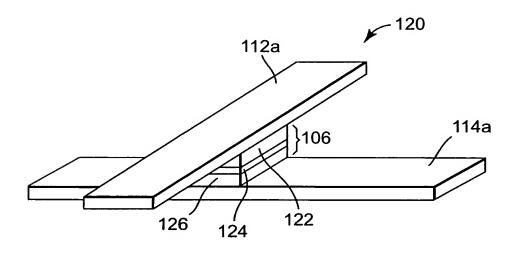


Fig. 3

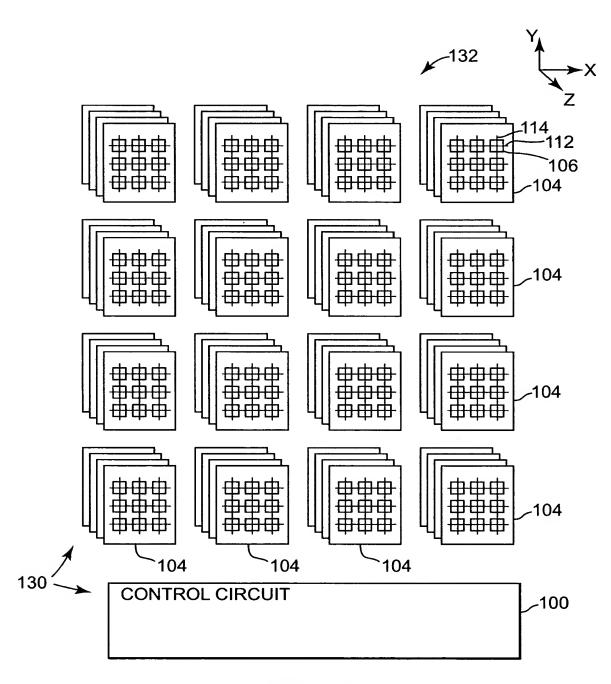


Fig. 4

Docket No. 10014281-1

Data Storage System With Error Correction Code and Replaceable Defective Mem ry

Steven L. Pline et al.

4/7

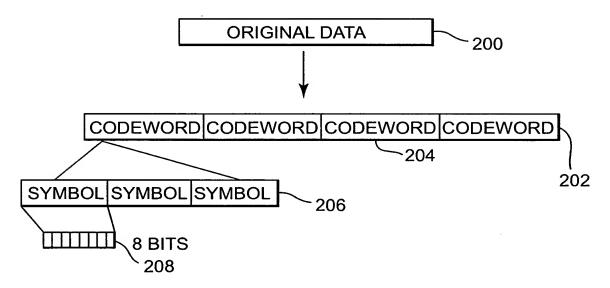


Fig. 5

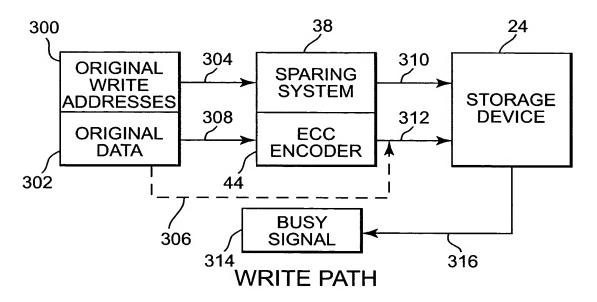


Fig. 6A

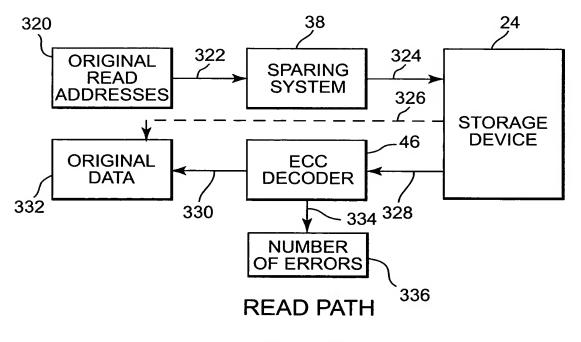


Fig. 6B

Data Storage System With Error Correction Code and Replaceable Defective Mem ry Steven L. Pline et al. **HOST EXECUTES** 400 WRITE INSTRUCTION 402 **SPARED** NO SECTIONS? YES HOST REPLACES DEFECTIVE SECTION ADDRESSES 404 WITH REPLACEMENT SECTION ADDRESSES HOST DIVIDES WRITE OPERATION 406 INTO MULTIPLE SUB-TRANSFERS 408 HOST ASSEMBLES ORIGINAL DATA FOR TRANSFER 410 **ECC** NO **ENCODE?** 412 YES HOST ECC ENCODES ORIGINAL DATA 414 HOST PROVIDES WRITE COMMAND AND START ADDRESS 416 **HOST TRANSFERS DATA** 418 NO DESELECTED? YES 420 WRITE NO **COMPLETE?** 422 YES HOST CONTINUES PROCESSING Fig. 7

Docket No. 10014281-1

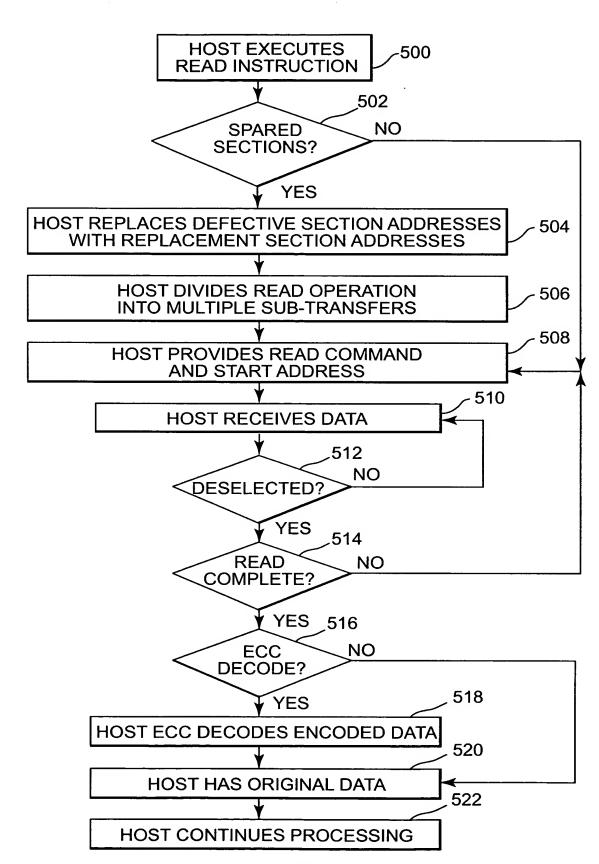


Fig. 8